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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.	
10/679,391	10/07/2003	Jong-Su Lim	44824	5463
Peter L. Kendal	7590 01/15/200 I	EXAMINER		
Roylance, Abrams, Berdo & Goodman, L.L.P. Suite 600 1300 19th Street, N.W. Washington, DC 20036			DEBNATH, SUMAN	
			ART UNIT	PAPER NUMBER
			2435	
			MAIL DATE	DELIVERY MODE
			01/15/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/679,391	LIM, JONG-SU		
Examiner	Art Unit		
SUMAN DEBNATH	2435		

		CONTROL BEBLUTTI	2400	
	The MAILING DATE of this communication appe	ears on the cover sheet with the	correspondence address	
THE	REPLY FILED <u>12 December 2008</u> FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	FOR ALLOWANCE.	
	The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Application (RCE) in compliance with 37 Cperiods:	replies: (1) an amendment, affidav eal (with appeal fee) in compliance	it, or other evidence, which places the with 37 CFR 41.31; or (3) a Request	
a)	The period for reply expiresmonths from the mailing	g date of the final rejection.		
b)	no event, however, will the statutory period for reply expire le Examiner Note: If box 1 is checked, check either box (a) or (ater than SIX MONTHS from the mailir (b). ONLY CHECK BOX (b) WHEN TH	g date of the final rejection.	
have t under set for may re	MONTHS OF THE FINAL REJECTION. See MPEP 706.07(sions of time may be obtained under 37 CFR 1.136(a). The date seen filed is the date for purposes of determining the period of ex 37 CFR 1.17(a) is calculated from: (1) the expiration date of the sthin (b) above, if checked. Any reply received by the Office latereduce any earned patent term adjustment. See 37 CFR 1.704(b) CE OF APPEAL	on which the petition under 37 CFR 1. tension and the corresponding amount shortened statutory period for reply orige than three months after the mailing da	of the fee. The appropriate extension fee jinally set in the final Office action; or (2) as	i
	The Notice of Appeal was filed on A brief in comp	oliance with 37 CFR 41.37 must be	filed within two months of the date of	
	filing the Notice of Appeal (37 CFR 41.37(a)), or any extended the Notice of Appeal has been filed, any reply must be filed was NOMENTS	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the appeal. Since	а
	The proposed amendment(s) filed after a final rejection, (a) They raise new issues that would require further co (b) They raise the issue of new matter (see NOTE belo	nsideration and/or search (see NO		
	(c) They are not deemed to place the application in bet appeal; and/or	ter form for appeal by materially re		
	(d) They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).		ected claims.	
4. 🔲			ompliant Amendment (PTOL-324).	
5. 🗖	Applicant's reply has overcome the following rejection(s)		(*	
6. 🗌	Newly proposed or amended claim(s) would be al non-allowable claim(s).	lowable if submitted in a separate,		
	For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is provided that the claim(s) is (or will be) as follows: Claim(s) allowed: None. Claim(s) objected to: None. Claim(s) rejected: 1-12. Claim(s) withdrawn from consideration: None.		ill be entered and an explanation of	
	DAVIT OR OTHER EVIDENCE			
	The affidavit or other evidence filed after a final action, bubecause applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).			
	The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to one showing a good and sufficient reasons why it is necessary.	overcome <u>all</u> rejections under appe	al and/or appellant fails to provide a	
	The affidavit or other evidence is entered. An explanatio	n of the status of the claims after e	entry is below or attached.	
	JEST FOR RECONSIDERATION/OTHER The request for reconsideration has been considered bu See Continuation Sheet.	t does NOT place the application i	n condition for allowance because:	
	Note the attached Information <i>Disclosure Statement</i> (s). Other:	(PTO/SB/08) Paper No(s)		
	nyen Vu/ ervisory Patent Examiner, Art Unit 2435			

Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments filed December 12, 2008, have been fully considered but they are not fully persuasive.

Applicant argues that: "..the sub-bit stream described in DKS do not have the same length. Accordingly, DKS is not analogous to claim 1, which recites dividing a first plaintext bit stream of length 2n into first and second sub-bit streams of length n and dividing a second plaintext bit stream of length 2n into third and fourth sub-bit streams of length n."

In response to applicant's arguments, the recitation "dividing a first plaintext bit stream of length 2n into first and second sub-bit streams of length n and dividing a second plaintext bit stream of length 2n into third and fourth sub-bit streams of length n" has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded any patentable weight where it merely recites the purpose of a process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See In re Hirao, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and Kropa v. Robie, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951). Furthermore, it should be noted that KASUMI algorithm can be used for a long string (i.e. plaintext) which can be divided into multiple of 2n bits. FIG. 1 of DKS uses 64 bits (i.e. 2n) as an input and divides into two sub-bit streams of length (i.e. n).

Applicant argues that: DKS does not teach "outputting the second ciphertext bit stream encrypted again with a predetermined time delay."

Examiner maintains that: DKS teaches outputting the second ciphertext bit stream encrypted again with a predetermined time delay (FIG. 2, FIG. 6, page 12, section 4.3, predetermined time delay always takes place wherever there is a requirement to synchronize two inputs to compute an "exclusive OR" functions. For instance, there are multiple "exclusive or" and FI functions within FO function (see FIG. 6 of DKS), thus output from FI sub I,1 is an input to an "exclusive OR" function but another input come from right side which doesn't require any computation. Therefore, there will be a predetermined time delay before both bit streams can be used to an "exclusive OR" function. Applicant should not that claim language is broad enough to interpret that output of FI sub I, 1 is an input to FI sub I, 2 which is encrypted again with predetermined time delay).

In response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See In re Fine, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988) and In re Jones, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, motivation for the rejections is found both in the knowledge generally available to one of ordinary skill in the art and in the cited references.

Applicant argues that: "..it is not possible to make the alleged combination because, in DKS, the FO function is recursive and required the first ciphertext bit stream in order to complete the second alleged round."

Applicant should note that it is well known to run two hardwires or cipher unit in parallel to increase the speed. Furthermore, DKS teaches the operation of FO cipher unit and Lee teaches two functions combined to run in parallel.

Examiner's note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the Applicant. Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may be applied as well. It is respectfully requested from the Applicant, in preparing the responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

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